

GAIN BONANZA!

Plus Lucky Guarantees More Everyday Lower Prices

GIVE FRESH Eggs 19¢

Mayonnaise Lucky 24-oz. Jar **29¢**

Orange Juice TREESWEET FROZEN 6-oz. Can **5 for \$1**

Fruit Pies COUNTY FAIR FROZEN 8-INCH **39¢**

5 LB. BAG 49¢

BREAD WHITE or WHEAT Standard 15-OZ. LOAF **19¢**
STANDARD LARGE 22½-oz. LOAF 25¢

COFFEE MAXWELL HOUSE 1-lb. **59¢**

AS 303 Can 8 for \$1

NS 303 Can 8 for \$1

S 303 Can 8 for \$1

CD 303 Can 2 for 29¢

CKERS 25¢

59¢

10¢

KOLD KIST CHILI SIZE 8 oz. Pkg. 33¢

KOLD KIST BEEF STEW 16 oz. Pkg. 33¢

EARLY CALIFORNIA SELECT PITTED OLIVES 7 oz. Can 29¢

MARTINELLI APPLE CIDER 3/4 Bottle 33¢

NEWS DETERGENT Giant Box 39¢

HOUSE & GARDEN SPRAY JOHNSON'S RAID 14-oz. Can 1.39

QUART JAR MIRACLE WHIP 59¢

FOR COOKING AND SALADS WESSON OIL 59¢

HEINZ STRAINED BABY FOOD 4 1/2-oz. 10¢

CARNATION EVAPORATED CANNED MILK No. 1 Tall Can 2 for 29¢

ALL MEAT VARIETIES—10 1/2-oz. CAN CAMPBELL'S SOUP 2 for 33¢

GELATIN DESSERT JELLO 3-oz. Pkg. 3 for 29¢

POWDERED OR BROWN C&H SUGAR 1-lb. Box 2 for 29¢

KELLOGG'S CORN FLAKES 12-oz. Pkg. 25¢

ZEE TOILET TISSUE 4 Roll Pkg. 37¢

ZEE—80 COUNT PAPER NAPKINS 2 for 23¢

SPARKLING FRESH FRUIT & VEGETABLE SAVINGS

RED RIPE Tomatoes 10¢ LB.

MEDIUM & SMALL SIZES
for slicing, salads for lunches... you'll love the fresh goodness and fine quality of these firm tomatoes... and look at the money-saving price...

CORN 29¢

NECTARINES 2 for 29¢

CUCUMBERS 3 for 10¢

TREE TOP APPLE JUICE QUART BOTTLE 29¢

LUCKY—PREMIUM QUALITY COFFEE 1-lb. Can 49¢

Lucky STORES

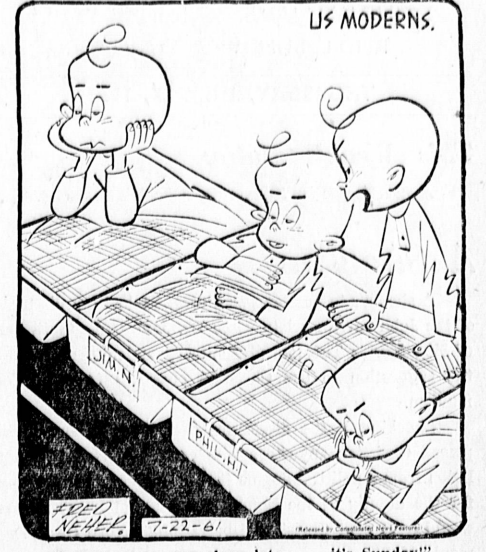
BISSELL RUG SHAMPOO 22-OZ. BTL. 1.89

DIAMOND PAPER PLATES 48 COUNT 75¢

CURTISS BABY RUTH CANDY BARS 6 PACK 25¢

WEST TORRANCE LOMITA BENINO INGLEWOOD WE GIVE BLUE CHIP STAMPS

LIFE'S LIKE THAT By FRED NEHER



AiResearch Turbocharger Lifts Light Plane Ceiling

For the first time in light aircraft history, an automatically controlled turbocharger system has been applied to a light business airplane, the Cessna Skylight, giving it unprecedented high altitude capabilities.

This pioneering development between The Garrett Corp.'s AiResearch Industrial Division, Cessna Aircraft Co., and Continental Motors Corp. has placed the recently announced twin-engine Skylight into an altitude performance category restricted to larger types of aircraft.

It brings with it altitude's consequent advantages of over-the-weather safety, increased speed and range, at no additional burden to the pilot as would be associated with a manually controlled turbocharger system.

Basically, AiResearch's Model T11 turbochargers keep the intake air for the Skylight's 260 horsepower Continental engines at sea level density—enabling them to maintain sea level power output—up to 18,000 feet. Service ceiling is a lofty 27,200 feet.

The turbochargers, driven by the energy of engine exhaust gas, operate much more efficiently than is possible with a gear driven supercharger.

ENGINE EXHAUST is ducted to drive a turbine wheel which turns a centrifugal compressor, the two being on a common shaft. The compressor takes in atmospheric air and delivers it to the intake manifold at densities simulating sea level operation.

The AiResearch control system automatically regulates turbocharger boost to meet varying engine requirements during changes of altitude. It includes a controller and a bypass valve and essentially modulates the amount of densified air going to the engine.

Generally, at sea level some of the engine's exhaust gas is diverted around the turbocharger by means of the bypass valve. As altitude is gained, an increasing flow of exhaust is directed against the turbine wheel. The resulting faster rotation increases the amount of air going through the compressor wheel to the engine, compensating for the decreasing density of atmospheric air intake.

Technically, the controller senses turbocharger compressor discharge pressure. Then, through a hydraulic servo valve and actuator, it positions the bypass valve to maintain

Step Up Use Of Firebee Jet Targets

Accelerated use of Ryan Firebee jet targets by the U.S. Army in its surface-to-air missile firing program at White Sands Missile Range, N.M., has been under way since start of the new fiscal year July 1.

Ryan Aerospace, San Diego, has been awarded a \$555,000 contract to provide specialized personnel and services for continuation of the Firebee ground launchings which have taken place at White Sands since 1959.

The present crew at White Sands is being expanded to 24 men in line with the Army's desire to increase the number of Firebee missions per week. Q-2A target missiles are being modified by Ryan at the Army's New Mexico Missile Range for ground launch capability.

In addition, the contract calls for three Model 124-E Firebees, a special Army configuration of the Ryan Q-2C, the most advanced Firebee in production. Two Model 124-E prototypes have already been delivered to White Sands under a previously announced contract. The three additional "birds" called for in the new contract are being modified from the basic Q-2C in Ryan's San Diego plant.

RYAN successfully demonstrated the reliability of Firebee firings first from a rail launcher, the technique now being used. Now past the testing phase, the Ryan drones are being used operationally to challenge effectiveness of the Army's ground-to-air missiles in target mission; over the White Sands desert range.

The first Firebee targets used were the early XM21 series, which proved so dependable that when the originally estimated total of 66 flights for the ground launch development program were completed, the Ryan crew was able to launch an additional 55 regular support missions with the assigned complement of drones.

The long-lived XM21s have been expended, and the later Q-2A Firebee series is now being operated at White Sands in target flights in conjunction with the current Model 124-E evaluation program.

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